

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT

**PERMIT TO OPERATE A SEPTAGE LAND
APPLICATION SITE**

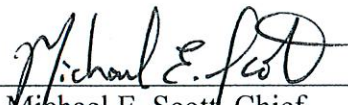
Haynes
William E. & William A. Robinson
3572 Peppers Ferry Road
Wytheville, VA 24382

is hereby issued a permit to operate Septage Land Application Site with permit #SLAS-03-04 located on NC 18 in Alleghany County in approximate position 36.55624° N latitude and -80.93185° W longitude. The site is to be operated in accordance with 15A NCAC 13B .0800 Septage Management, the information stated in the approved application, and the conditions of this permit. The unauthorized disposal of any liquid or solid wastes other than those specified in the conditions of this permit will be considered a violation of the conditions of this permit. Failure to comply with the conditions of this permit may result in permit suspension, permit revocation, action for injunctive relief, administrative penalties, or other remedies as provided in G.S. 130A, Article 1., Part 2.

This permit shall be reviewed annually to determine if soil test results and management activities are in compliance with the Septage Management Rules and the conditions of this permit. Modifications, where necessary, shall be made in accordance with rules in affect at the time of review.

Date Issued

10/4/11



Michael E. Scott, Chief
Solid Waste Section

Operator: William E. & William A. Robinson
SLAS# 03-04
County: Alleghany

Page 2 of 3

Permit Conditions:

1. This permit shall become voidable if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards of the surface waters and ground waters.
2. This site shall be operated and maintained in accordance with the nutrient management plan submitted by William E. & William A. Robinson and approved by the Division. **The 21.7 acre site is divided into Field 1 (2.5 acres), Field 2 (14.6 acres) and Field 3 (4.6 acres). Field 4 is inactive until the trees are removed from this disposal area and approval is given by this office to utilize this field.** The 30 day waiting period between the last application of septage and the harvest of the crop shall be maintained. All discharges shall be at locations on the site consistent with the crop rotation in the approved plan.
3. This site shall be operated and maintained in accordance with the erosion and runoff control plan submitted by William E. & William A. Robinson and approved by the Division. Any site improvements noted in the plan must be installed within 30 days of plan approval. The site shall be operated and erosion and runoff control measures maintained in such a manner as to prevent migration of wastes off of the designated waste receiving site. The installation of groundwater monitoring wells shall be required as deemed necessary by the Division.
4. The issuance of this permit does not preclude the Permittee from complying with any and all statutes, rules, regulations, or ordinances which may be imposed by other government agencies (local, state and federal) which have jurisdiction. It is the responsibility of the permittee to be in compliance with the requirements of 40 CFR 503.
5. This permit may be modified or reissued to incorporate any conditions, limitations and monitoring requirements of the Division of Waste Management deems necessary to adequately protect the environment and public health.
6. **This site is only permitted for the land application of domestic septage (including portable toilet waste) and grease septage.** Domestic septage pH shall be raised to 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 30 minutes prior to land application. Grease septage or grease septage mixed with domestic septage shall be raised to pH 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 2 hours prior to land application.
7. **This site contains approximately 21.7 acres that are available for septage land application.** The maximum annual application rate shall be 50,000 gallons per acre per year, for a total maximum annual application rate of 1,085,000 gallons. This application rate assumes equal septage distribution, on an annual basis, over the permitted area. Monthly septage applications shall not exceed the monthly relative application rates given in the approved nutrient management plan for the site.
8. An approved above ground septage detention system with a minimum design capacity of 20,865 gallons shall be available prior to operation of this site unless an approved wastewater treatment plant is available for use during periods of adverse weather. The storage capacity may be adjusted if it is demonstrated during the operation of the site that this volume of storage is inappropriate.

Operator: William E. & William A. Robinson
SLAS#: 03-04
County: Alleghany

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9. Only the area designated on the attached site map(s) shall be utilized for septage disposal. Each load of septage discharged at the site shall be distributed from a moving vehicle in such a manner as to have no standing water when the discharge is complete.
10. Septage shall not be applied during any precipitation event, or if there is standing water on the soil surface, if the soil surface is frozen, or if the soil surface is snow covered. The Permittee shall consider pending weather conditions when making the decision to land apply in order to prevent any discharge of septage outside of the permitted boundary.
11. Septage applications that will result in ruts greater than three inches in the soil surface are prohibited.
12. Any discharge of septage outside of the permitted boundaries via runoff, aerial drift, etc. is prohibited.
13. This permit shall become void unless the land application activities are carried out in accordance with the conditions of this permit and in the manner approved by this Division. No one other than the permittee shall discharge septage at this site without prior appropriate notification and written approval of the Division of Waste Management.
14. Prior to any transfer of this land, a notice shall be given to the new owner that gives full details of the materials applied or incorporated at this site. The Division shall be notified prior to site closure.
15. **This permit shall expire on October 4, 2016.** Modifications, when necessary, shall be made in accordance with the rules in effect at the time of renewal. **An application for permit renewal shall be submitted at least ninety (90) days prior to the permit renewal date.** A septage application log for the period of time this permit was valid shall be submitted along with an application for permit renewal or modification. The information required in the log is described in Rule 15A NCAC 13B .0838(e)(1) of the NC Septage Management Rules and 40 CFR Part 503.17(b) of the Federal Register. This permit is non-transferable.
16. Records shall be kept in accordance with 40 CFR 503.17(b). These records shall be made available to a representative of the Division of Waste Management upon request.
17. Any duly authorized officer, employee, or representative of the Division of Waste Management may, upon presentation of credentials, enter and inspect any property, premises, or place on or related to the disposal site and facility at any reasonable time for the purpose of determining compliance with this permit; may inspect or copy any records that must be kept under the conditions of this permit; or may obtain samples of groundwater, surface water, or leachate.
18. Field separations in the nutrient management plan and all pertinent setbacks shall be clearly located on the site. **Boundaries of the permitted septage land application fields shall be clearly marked on the ground.**
19. The areas which can be used for land application of septage shall be maintained at least 500 feet from any existing wells, residences, places of business, or places of public assembly. Septage shall not be disposed of within 50 feet of any property line or within 100 feet of any ditch.



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

October 4, 2011

Messrs. William E. & William A. Robinson
Haynes
3572 Peppers Ferry Road
Wytheville, VA 24382

**RE: SLAS permit renewal
Haynes
SLAS-03-04
NC 18 in Alleghany County**

Dear Messrs. Robinson:

The NC Division of Waste Management has reviewed your application to renew a Septage Land Application Site permit in Alleghany County. Your application has been approved and your permit, # SLAS-03-04, is enclosed. If you have any questions about your permit, we'll need the number in order to answer your questions.

Please read all of your permit conditions carefully, particularly conditions 2 & 7 in regards to Field 4 being inactive and the corresponding useable acreage and annual application rate. The site was recently GPS'd and the correct acreage is reflected in this permit and the new site map. Your nutrient management and soil erosion and runoff control plans have been included in your permit's conditions. Also permit Condition 15 states that you will need to submit septage application logs for your site in order to renew your permit. This permit condition also states that this permit is valid until October 4, 2016. If you have any questions, please ask for assistance as rule violations could expose you to administrative penalties.

Please note that to land apply industrial or commercial septage at a permitted septage disposal site you must have prior approval from the NC Division of Waste Management. The waste must be sampled prior to being removed from the system. Generally, the Division will request that you have a waste analysis run on septage from each commercial or industrial septage generator before that type of septage is approved for land application. Permit Condition 6 states that commercial/industrial septage shall only be land applied after the waste from each source is tested and the results approved by the Solid Waste Section.

Use of a land application site or septage detention or treatment facility that is not permitted may result in administrative penalties up to \$15,000 per violation in accordance with NC General Statute 130A-22.

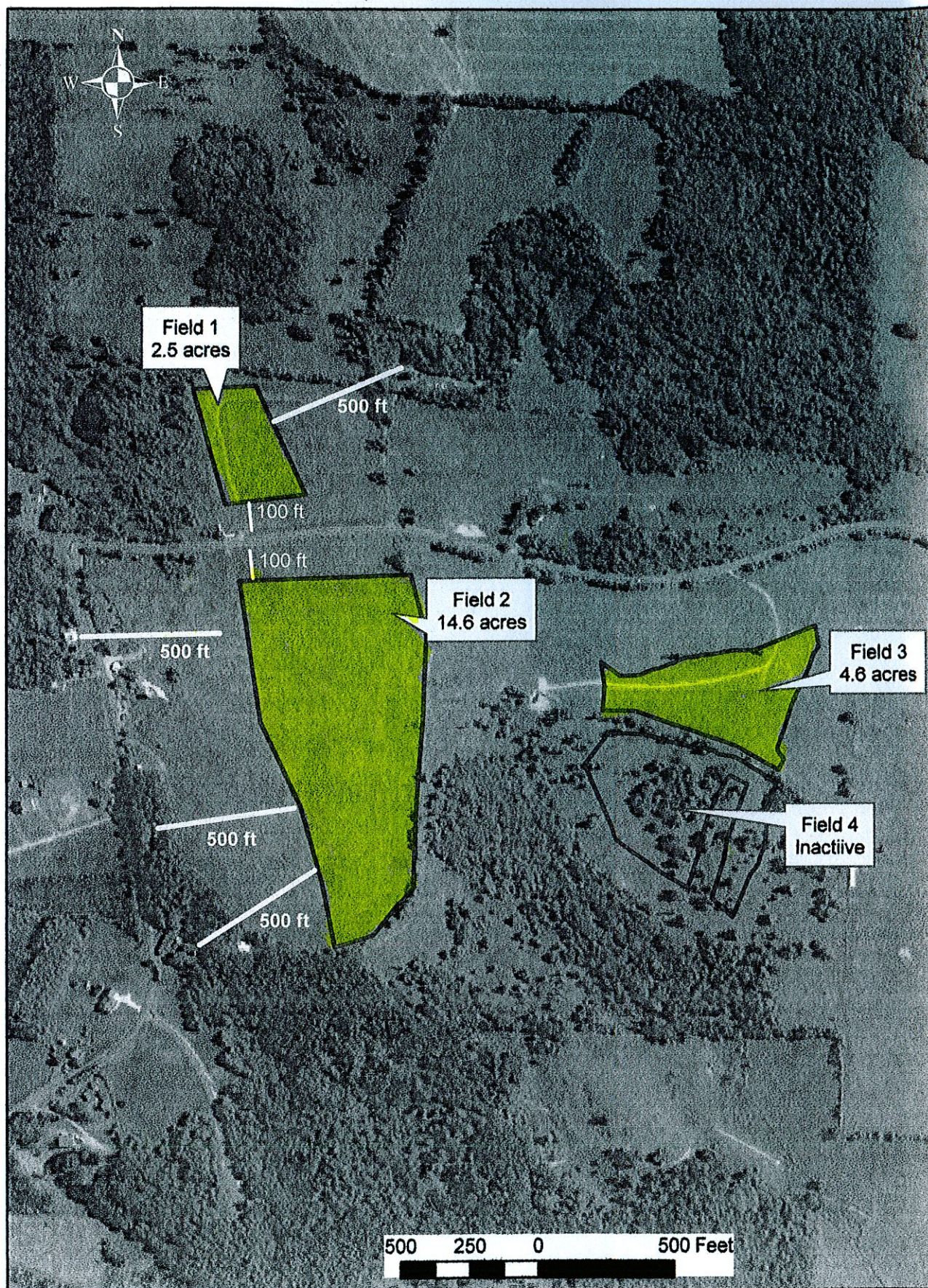
If you have any questions, please contact me at (910) 433-3352 or Michael Scott at (919) 707-8246.

Sincerely,

Connie Wylie, Soil Scientist
Composting & Land Application Branch

SLAS-03-04

36.55624° N lat. +sd
-80.93185° W longitude



Source: 2010 NAIP Color Imagery, NCDA; site boundary, NC DENR Division of Waste Management.
Map created by NC DENR Division of Waste Management, Compost and Land Application Branch for permitting purposes only.

APPLICATION FOR A PERMIT TO OPERATE A SEPTAGE LAND APPLICATION SITE

North Carolina Department of Environment and Natural Resources
 Division of Waste Management - Solid Waste Section
 401 Oberlin Rd., Ste. 150, Raleigh, N.C. 27605

I. Site and Operator Information

1. Applicant

Address

Phone

William Aaron Robinson & William Eugene Robinson
3572 Peppers Ferry Rd
Wytheville, VA 24382
276-236-6967 or 276-620-0533
6967

2. Contact person for site operation (if different from applicant):

Title or position

Address

Phone 276-620-0533 or 276-620-1478Pres. or Vice Pres.

3. Landowner

Address

Elwood Davis
Rt 1 Box 212
Ennice N.C. 28623

4. Site Location:

County Alleghany

State Road Number

Rt 18

Directions to site:

Take Rt 18 to the intersection of
Glade Valley

5. Indicate whether request is: new ☐ renewal ☒ modification ☐

For a permit renewal or modification, provide the following information:

Existing site permit number: 03-04permit expiration date: 8/31/116. Number of acres meeting the requirements of the N.C. Septage Management Rules: 30.5 acres.

7. Substances other than septage or grease trap pumpings previously disposed of on the site:

(a) None ☒ or (b) Attach a list indicating other substances, the amounts discharged, and the dates of discharge.

8. Attach written, notarized landowner authorization to operate a septage disposal site signed by the landowner (if the permit applicant does not own the property). *If a corporation owns the land use a corporate landowner authorization form. If limited liability company owns the land, use a limited liability company landowner authorization form.*

9. Attach site evaluation report, including aerial photograph and soil analysis with metals results, unless the Division prepared the report.

10. Attach a vicinity map (county road map showing site location).

(over)

RECEIVED
 JUL 14 2011

DIVISION OF WASTE MANAGEMENT
 FAYETTEVILLE REGIONAL OFFICE

II. Site Management Information:

The following information shall be included with the application form:

1. Nutrient Management Plan
2. Soil Erosion and Runoff Control Plan
3. Alternative plan for disposal (detention facility permit number or wastewater treatment plant authorization): 15,000 Gal Storage Tank + Treatment Plant
4. Types of septage proposed to be discharged at the site (check all that apply):
 - (a) Domestic septage pumped from septic tanks ☒
 - (b) Grease trap pumpings ☒
 - (c) Portable toilet waste ☒
 - (d) Commercial / Industrial septage ☒
5. Proposed treatment method of each type of septage to be land applied (use additional paper to explain if necessary): Domestic Septage will be treated with hydrated lime to raise the PH to 12 for 30 min prior to land application. Grease will be lime stabilized to raise ph to 12 for 2 hrs. prior to land application
6. Proposed method of applying septage to land, including septage distribution plan if required * (use additional paper to explain if necessary): Pressure applied by vacuum trucks at approximately 5000 Gal per acre per application while pumper truck is moving.
7. Demonstration from the appropriate state or federal government agency that the land application site complies with the Endangered Species Law ** or if any part of the site specified is not agricultural land (use additional paper to explain if necessary): All of this site is agriculture land.

III. Certification

I hereby certify that:

1. The information provided on this application is true, complete, and correct to the best of my knowledge.
2. I have read and understand the N.C. Septage Management Rules, and
3. I am aware of the potential consequences, including penalties and permit revocation, for failing to follow all applicable rules and the conditions of a Septage Land Application Site permit.

William Aaron Robinson
Signature***

7-6-11
Date

William Aaron Robinson
Print name

Pres.
Title

William E. Robinson

Vice Pres

Note: This application will not be reviewed until all parts of the application are complete.

* Refer to Section .0821(e) of the N.C. Septage Management Rules.

** Refer to Section .0821(g) of the N.C. Septage Management Rules.

***Signature of company official required.

Landowner's Authorization to Operate a Septage Land Application Site

North Carolina Department of Environment and Natural Resources
Division of Waste Management - Solid Waste Section
401 Oberlin Rd, Ste. 150, Raleigh, N.C. 27605

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SEP 14 2011

DIVISION OF WASTE MANAGEMENT
FAYETTEVILLE REGIONAL OFFICE

I, Elwood Davis (name of site owner) hereby certify that I am the owner of
175 acres of land located at intersection of Rt 18 and
Glad Valley and Ennice NC
and identified by Deed Book 84 page 179 (book and page of recorded deed
or tax map parcel) and that I agree to allow William A Robinson
William E. Robinson (name of site
operator) to use said land for septage land application for a period of 10 YEARS (length
of time), beginning 8/25/11 (month, day and year) and that I have read the
North Carolina Septage Management Rules *, and I understand and agree to maintain the restrictions on
land use after septage land application ends **. I further understand that no septage may be land applied
until the Division of Waste Management has issued a permit for a septage land application site. The above
described property is owned solely by me or jointly with ELWOOD DAVIS
MAXINE Davis (names of all co-owners, or state none).

Signature of landowner Elwood A. Davis Date 9-8-2011

Signature of landowner Maxine J. Davis Date 9-8-2011

Sworn to and subscribed before me this 8 day of September, 20 11

Carrie R Collins
(Notary Public)

My Commission expires: 2/28/13

* 15A N.C. Admin. Code 13B Section .0800

** As required by Rule .0826



**NUTRIENT PLAN FOR
HAYNES SEPTIC SERVICE
AND
ELWOOD DAVIS PROPERTY**

RECEIVED
JUL 14 2011
DIVISION OF WASTE MANAGEMENT
LAFAYETTEVILLE REGIONAL OFFICE

Fescue/legume mixture

A. General Information:

1. Periodic sampling (at least 3/year) of the septage will be conducted for waste analysis.
2. The dominant soil series at this site is Chester C, 6-10% slope.
3. Septage will not be applied where the site is untrafficable. (Untrafficable is defined as solid that will allow a loaded truck to leave a depression in sod greater than 3 inches in depth).
4. All nitrogen recommendations for forages will be 75% of the realistic yield expectation. nitrogen rate should the forage be only grazed.
5. Septage storage shall be provided to account for the average volume of septage pumped per week, or an alternative plan, such as disposal at a waste treatment plant, should be in place.
6. These fields are not wetlands or environmentally sensitive areas.
7. Field #1 contains approximately 2.5 acres with fescue/legume mixture hay grown on it. This field will be used January-April on a regular basis. It will remain dormant in May and harvested in early-June. Reapplication will resume after June harvest and continue through July. This field will remain dormant in August and be harvested in September. Reapplication will resume after September harvest and continue through December.
8. Field #2 contains approximately ^{14.6} acres with fescue/legume mixture hay grown on it. This field will be used January-April on a regular basis. It will remain dormant in May and harvested in early-June. Reapplication will resume after June harvest and continue through July. This field will remain dormant in August and be harvested in September. Reapplication will resume after September harvest and continue through December.
9. Field #3 ^{4.6} contains 4.6 acres each with fescue grass and is primarily summer pasture. These fields will be divided into sections in late-May/early-June and late-August/early-September by an electric fence to provide a site for application during the dormant period in which fields #1 and #2 cannot be used. The fenced section will vary in size due to the configuration of the land, but it will be large enough to use for approximately 60 days if necessary and will remain fenced in for 30 days after last application. After livestock is moved in October, these fields will be used October- February on a regular basis.

Field 4 is
inactive

B. Crops to be grown and approximate planting times:

1. Field #1, including buffer zones, contains fescue/legume.
2. Field #2 including buffer zones, contains fescue/legumes. I
3. Field #3, including buffer zones, contains tall fescue.
- Inactive* → 4. Field #4, including buffer zones, contains tall fescue.
5. A stand with > 95% exists already on these fields.

C. Nitrogen needs for crops grown:

R.Y.E. = Realistic Yield Expectations

N App. Rate + Suggested N application-rate based on R.Y.E. for soil type.

Areas that develop with less than 80% ground cover by fescue will be re-seeded with fescue at a rate of 35-45 lbs/acre by drilling (seeding method) in Sept/Oct month
W

Crop (cut for hay) R.Y.E. N App. Rate lbs. N/acre

Tall fescue 3.5 tn/ac. x 45 lbs. N/dry ton = 158

Crop (grazed) R.Y.E. N App. Rate Reduction Factor lbs. N/ac

Tall fescue 3.5 tn/ac. x 45 lbs. N/dry t@n x 0.75 = 120

D. Relative application rate for Field #1, #2, #3, and #4

Month	Field(s)			
	#1	#2	#3	#4 <i>Inactive</i>
January	Low	Low	Low	Low
February	Low	Low	Low	Low
March	Low	Low	Low	Low
April	Low	Low	Low	Low
May	None	None	High	Medium
June	Low	Medium	Medium	Low
July	Low	Medium	Medium	Low
August	None	None	High	Low
September	Low	Medium	Medium	Low
October	Low	Low	Low	Low
<i>NOVEMBER</i>	<i>Low</i>	<i>Low</i>	<i>Low</i>	<i>Low</i>
December	Low	Low	Low	Low

None = 0 gallons; Low = 5,000 gallons; Medium = 10,000 gallons; High = 15,000 gallons

Application rates shall not exceed 30,000 gal/ac/year. Lime to exceed pH of 12 for 30 minutes for vector control.

Application rates may change due to weather conditions.

Note: Cumulative application rate is not to exceed the permitted application rate.

E. Application Method

The preceding information is based on septage being evenly applied over the entire permitted site by spraying from tank truck (method/equipment/special patterns).

F. Additional Fertility Requirements

Approximately 400 lbs./acre of 0-24-24 N-P-K fertilizer will need to be added to the land application area in March (month(s)) to maintain fertility levels, OR phosphorus and potassium must be added in accordance with the soil test results for crops grown. (NOTE: The phosphorus requirement can be reduced by taking into consideration the phosphorus from the septage analysis, if an analysis is available).

The buffer areas should be fertilized with 400 lbs./acre of 0-24-24 N-P-K fertilizer to maintain production based on soil test results.

G. Harvest of the crops and their use:

1. The fescue/legume will be cut as hay and baled whenever it reaches approximately 12 inches in height, or roughly every 6 to 8 weeks beginning in late May or early June. Two harvests can be expected.
2. A 30-day period will be observed between the last application of septage and harvest. This 30-day period will be obtained by the alternating and fencing off of fields. This 30-day rotation will be maintained through hay season as weather permits.
3. Maintain > 95 % of existing grass cover on all lands where septage will be applied with 50 feet buffer being maintained also. Soil erosion and runoff will be controlled to acceptable levels.

NO CHANGE TO PLAN ALREADY ON FILE.

Submitted by: [Signature]
Site Operator

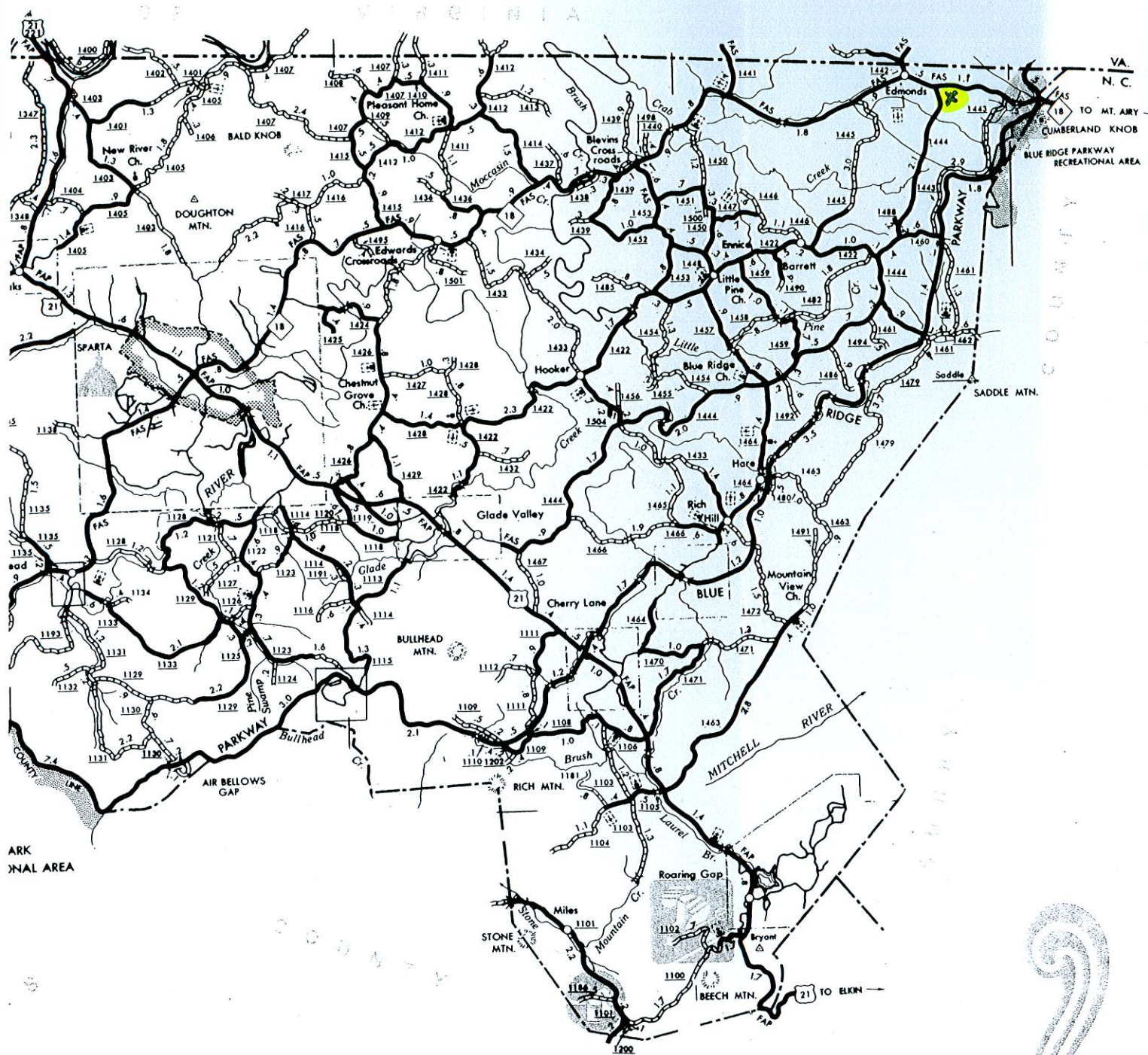
Date: 7-6-11

Plan prepared by: [Signature]

Date: 7-6-11

Address: 3572 ADOPTS FERRY RD. WYTHEVILLE VA 24382

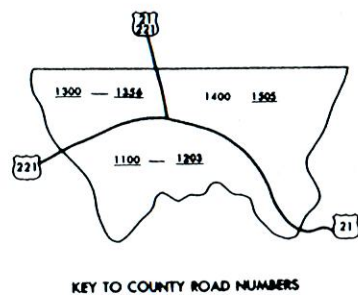
Phone: 1-276-228-7548



ARK
NAL AREA

Stone Mountain State Park

Stone Mountain State Park is easily identified by a dome-shaped mass rising 600 feet above its base. Five miles of trout streams include one fish-for-fun stream. Stone Mountain, 7 miles southwest of Roaring Gap off U.S. 21 on State Road 1737, is the largest of the state parks with 10,463 acres. Primitive style camping, a youth tent, picnic area, hiking trails and river fishing are all features of this beautiful park.

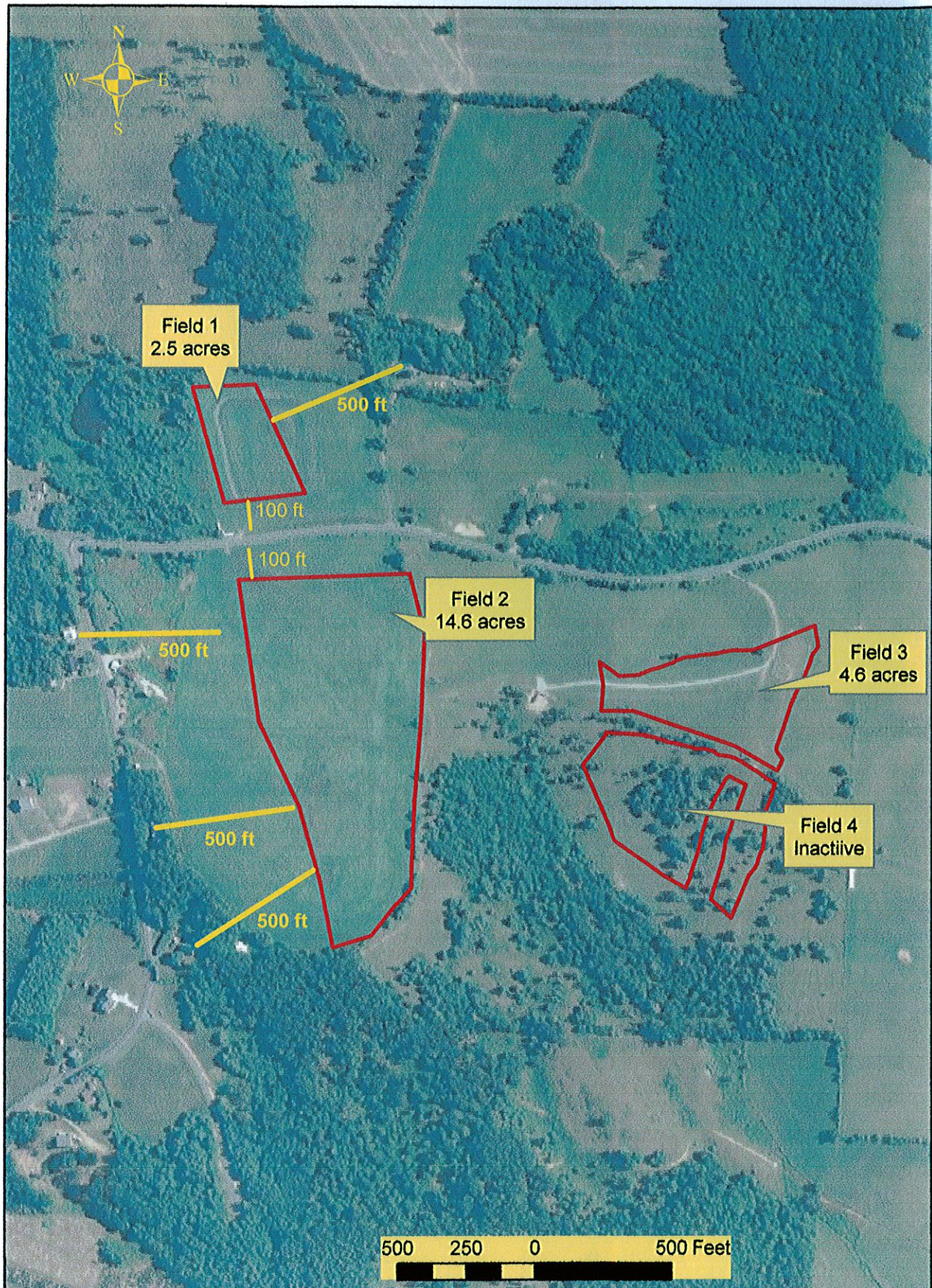


Alleghany County

Formed in 1859, Alleghany County, was formerly a part of Ashe County. Located in the northwestern section of the

SLAS-03-04

36.55624°N latitude
-80.93185°W longitude



Source: 2010 NAIP Color Imagery, NCDA; site boundary, NC DENR Division of Waste Management.
Map created by NC DENR Division of Waste Management, Compost and Land Application Branch for permitting purposes only.